American Journal of Physiology: Regulatory, Integrative and Comparative Physiology

KEY TO CATEGORIES: 1. Comparative Physiology Regulation and Integration in: 2. Autonomic Physiology;
 3. Behavior; 4. Cardiovascular Physiology;
 5. Endocrinology;
 6. Energetics;
 7. Fluids and Electrolytes;
 8. Functional Morphology;
 9. Ingestion;
 10. Periodicity;
 11. Respiration;
 12. Temperature

No. 1. JANUARY 1994

1, 5, 12	Hypothermia to endotoxin involves reduced thermogenesis, macrophage-dependent mechanisms, and prostaglandins R. H. DeRijk, M. Van Kampen, N. Van Rooijen, and F. Berkenbosch	R1
1, 5, 12	Hypothermia to endotoxin involves the cytokine tumor necrosis factor and the neuropeptide vasopressin in rats $R.\ H.\ DeRijk\ and\ F.\ Berkenbosch$	R9
1, 11	Increased venous PCO ₂ enhances dynamic responses of avian intrapulmonary chemoreceptors S. C. Hempleman and D. E. Bebout	R15
2, 8, 4	Calcium channel antagonists prevent urinary bladder growth and neuroplasticity following mechanical stress W. D. Steers, M. Albo, and J. B. Tuttle	R20
2, 4, 7	Reflex regulation of renal nerve activity in cardiac failure G. F. DiBona and L. L. Sawin	R27
2, 4, 10	On the fractal nature of heart rate variability in humans: effects of data length and β -adrenergic blockade	P.40
5, 10, 12	Y. Yamamoto and R. L. Hughson What does changing the temperature do to the melatonin rhythm in cultured chick pineal cells?	R40
3, 5, 9	 M. Zatz, G. D. Lange, and M. D. Rollag Weight loss in rats following intraventricular transplants of pancreatic islets R. D. Richardson, D. S. Ramsay, Å. Lernmark, A. J. W. Scheurink, D. G. Baskin, and S. C. Woods 	R50
1, 7	Band 3 modulation and hypotonic-stimulated taurine efflux in skate erythrocytes M. W. Musch, T. R. Leffingwell, and L. Goldstein	R65
3, 4, 5	Chronic stress affects immunologic but not cardiovascular responsiveness to acute psychological stress in humans R. J. Benschop, J. F. Brosschot, G. L. R. Godaert, M. B. M. De Smet, R. Geenen, M. Olff, C. J. Heijnen, and R. E. Ballieux	R75
4, 6	Exchange of purines in human liver and skeletal muscle with short-term exhaustive exercise Y. Hellsten-Westing, L. Kaijser, B. Ekblom, and B. Sjödin	R81
5	Metabolic and neurochemical profiles in insulin-treated diabetic rats L. L. Bellush and S. G. Reid	R87
5	High-fat diet reduces glucose transporter responses to both insulin and exercise M. N. Rosholt, P. A. King, and E. S. Horton	R95
5, 6, 8	Roles of skeletal muscle morphology and activity in determining Na ⁺ -K ⁺ -ATPase concentration in young pigs A. P. Harrison, T. Clausen, C. Duchamp, and M. J. Dauncey	R102
9, 6	Hepatic phosphate trapping, decreased ATP, and increased feeding after 2,5-anhydro-D-mannitol N. E. Rawson, H. Blum, M. D. Osbakken, and M. I. Friedman	R112
1, 5, 7	Factors associated with vasopressin release in exercising swine C. L. Stebbins, J. D. Symons, M. D. McKirnan, and F. F. Y. Hwang	R118
3, 7, 12	Lipopolysaccharide induces fever and depresses locomotor activity in unrestrained mice W. Kozak, C. A. Conn. and M. J. Kluger	R125

11, 2	Pontine cholinergic reticular mechanisms cause state-dependent changes in the discharge of parabrachial neurons K. A. Gilbert and R. Lydic	R136
2, 4, 12	Inhibition of nitric oxide synthesis suppresses sleep in rabbits L. Kapás, M. Shibata, M. Kimura, and J. M. Krueger	R151
2, 4, 5	Role of excitatory amino acids in regulation of rat pial microvasculature QF. Huang, A. Gebrewold, A. Zhang, B. T. Altura, and B. M. Altura	R158
9, 5, 3	Effect of competitive antagonism of NO synthetase on weight and food intake in obese and diabetic mice J. E. Morley and J. F. Flood	R164
6, 11, 1	Validation in sheep of the doubly labeled water method for estimating CO ₂ production A. J. Midwood, P. Haggarty, B. A. McGaw, G. S. Mollison, E. Milne, and G. J. Duncan	R169
5	Corticotropin responses to hypoglycemia and hypotension during ovine pregnancy $M.\ Keller-Wood$	R180
5, 7	Vasopressin responses to hyperosmolality and hypotension during ovine pregnancy $\textit{M. Keller-Wood}$	R188
4	ANF-C-receptor-mediated inhibition of aortic smooth muscle cell proliferation and thymidine kinase activity P. A. Cahill and A. Hassid	R194
2, 4	Spontaneous waves of cerebral blood flow associated with a pattern of electrocortical activity	
	E. V. Golanov, S. Yamamoto, and D. J. Reis	R204
4, 5, 7	Adenosine mediates hypoxic release of arginine vasopressin in fetal sheep $B.\ J.\ Koos, B.\ A.\ Mason,\ and\ M.\ G.\ Ervin$	R215
5	$\label{eq:modulation} \begin{tabular}{ll} Modulation of rate at which seroton in-induced contraction decays in guinea pig trachea $R.~R.~Ben-Harari,~B.~A.~Dalton,~and~U.~C.~Garg \end{tabular}$	R221
2, 4	Role of vasopressin in sympathetic response to paraventricular nucleus stimulation in anesthetized rats S. C. Malpas and J. H. Coote	R228
2, 4	Pontine reticular neurons provide tonic excitation to neurons in rostral ventrolateral medulla in rats	11220
	K. Hayes, F. R. Calaresu, and L. C. Weaver	R237
4, 2	Hypoxia selectively excites vasomotor neurons of rostral ventrolateral medulla in rats $M.$ - $K.$ Sun and $D.$ $J.$ $Reis$	R245
2, 4	Processing of splanchnic and somatic input in thoracic spinal cord of the rat $E.\ W.\ Akeyson\ and\ L.\ P.\ Schramm$	R257
2, 4	Splanchnic and somatic afferent convergence on cervical spinal neurons of the rat $E.\ W.\ Akeyson\ and\ L.\ P.\ Schramm$	R268
5	Identification and characterization of CCK-B/gastrin receptors in human pancreatic cancer cell lines	Dozz
	J. P. Smith, G. Liu, V. Soundararajan, P. J. McLaughlin, and I. S. Zagon	R277
1, 9, 8	Serotonin contracts the isolated rat pylorus via a 5-HT $_2$ -like receptor $K.\ Eberle-Wang,\ B.\ T.\ Braun,\ and\ K.\ J.\ Simansky$	R284
	MODELING IN PHYSIOLOGY	
7, 1	High-flow microinfusion: tissue penetration and pharmacodynamics P. F. Morrison, D. W. Laske, H. Bobo, E. H. Oldfield, and R. L. Dedrick	R292
	RAPID COMMUNICATION	
4	Nitric oxide actions in paraventricular nucleus: cardiovascular and neurochemical	
	implications T. Horn, P. M. Smith, B. E. McLaughlin, L. Bauce, G. S. Marks, Q. J. Pittman, and A. V. Ferguson	R306

EDITORIAL REVIEW

7	Kinetics of sodium uptake in freshwater animals: a comparison of ion-exchange and proton pump hypotheses $\textit{W. T. W. Potts}$	R315
11	Mechanisms for the tachypneic response to the thromboxane A ₂ mimetic U-46,619 in rabbits J. A. Carrithers, F. Liu, H. W. Shirer, and J. A. Orr	R321
1, 6, 12	Biphasic brown fat temperature responses to hypothalamic stimulation in rats $A.\ J.\ Woods\ and\ M.\ J.\ Stock$	R328
2, 4	Role of serotonin and catecholamines in sympathetic responses evoked by stimulation of rostral medulla D. Huangfu, LJ. Hwang, T. A. Riley, and P. G. Guyenet	R338
5, 1, 9	Strain differences in hypothalamic-pituitary-adrenal activity and stress ulcer E. Redei, W. P. Paré, F. Aird, and J. Kluczynski	R353
2, 4	PNMT-containing neurons of the C1 cell group express c-fos in response to changes in baroreceptor input	
4, 7	A. F. Sved, D. L. Mancini, J. C. Graham, A. M. Schreihofer, and G. E. Hoffman Measurement of circulating blood volume in vivo after trauma-hemorrhage and hemodilution P. Wang, Z. F. Ba, MC. Lu, A. Ayala, J. M. Harkema, and I. H. Chaudry	R361
8, 6, 11	Influence of exercise and fiber type on antioxidant enzyme activity in rat skeletal muscle S. K. Powers, D. Criswell, J. Lawler, L. L. Ji, D. Martin, R. A. Herb, and G. Dudley	R375
2, 3, 9	Metabolic influences on satiety in rats receiving parenteral nutrition J. L. Beverly, M. M. Meguid, ZJ. Yang, MX. Yue, and B. L. Fetterman	R381
11, 12, 6	Metabolic response to ambient temperature and hypoxia in sinoaortic-denervated rats $T.\ Matsuoka, A.\ Dotta,\ and\ J.\ P.\ Mortola$	R387
7	Kinetics of active efflux via choroid plexus of β-lactam antibiotics from the CSF into the circulation M. Ogawa, H. Suzuki, Y. Sawada, M. Hanano, and Y. Sugiyama	R392
2, 5	Tissue-specific increase in norepinephrine turnover by central interleukin-1, but not by interleukin-6, in rats A. Terao, M. Oikawa, and M. Saito	R400
1, 6, 12	Cold acclimation increases carnitine palmitoyltransferase I activity in oxidative muscle of striped bass K. J. Rodnick and B. D. Sidell	R405
2, 5, 3	Effects of 2-buten-4-olide, an endogenous satiety substance, on plasma glucose, corticosterone, and catecholamines I. Matsumoto, Y. Oomura, H. Nishino, S. Nemoto, S. Aou, and T. Aikawa	R413
6	Whole body and splanchnic leucine, phenylalanine, and glucose kinetics during endotoxemia in humans Y. Fong, D. E. Matthews, W. He, M. A. Marano, L. L. Moldawer, and S. F. Lowry	R419
9, 3	Preference and diet type affect macronutrient selection after morphine, NPY, norepinephrine, and deprivation C. C. Welch, M. K. Grace, C. J. Billington, and A. S. Levine	R426
7	Kinetic evaluation of muscle damage during exercise by calculation of amount of creatine kinase released L. Volfinger, V. Lassourd, J. M. Michaux, J. P. Braun, and P. L. Toutain	R434
4, 5, 7	Abnormalities in the renal and vascular responses to LBNP in humans with early diabetes	
4, 5, 7		R434

4, 5, 1	M. Kohno, T. Fukui, T. Horio, K. Yokokawa, K. Yasunari, M. Yoshiyama, N. Kurihara, and T. Takeda	R451
9, 7, 4	Renin-angiotensin, arterial blood pressure, and salt appetite in rats R. L. Thunhorst and A. K. Johnson	R458
3, 9	Duodenal sucrose and glucose infusions enhance suppression by cholecystokinin of sham feeding	D400
	J. E. Cox	R466
2, 3, 11	Monoamine concentrations in cerebrospinal fluid of fetal and newborn sheep S. A. Joseph and D. W. Walker	R472
4, 5, 2	Insulin acts centrally to enhance reflex tachycardia in conscious rats M. Okada and R. D. Buñag	R481
2, 4	Increased potency of carbachol in isolated rat left atria after chronic reserpine pretreatment	D407
4, 7, 9	S. J. Lenz, B. L. Ramos, M. C. Stamper, and L. C. Wince Role of lateral hypothalamus on fluid, electrolyte, and cardiovascular responses to	R487
	activation of the MSA A. S. Haibara, W. A. Saad, J. V. Menani, L. A. de Arruda Camargo, and A. Renzi	R496
2, 3, 9	Gastric damage and body weight loss in LHA-lesioned rats: effects of cytoprotective geranylgeranylacetone	R503
	T. Namiki, M. Egawa, S. Inoue, S. Tominaga, and Y. Takamura	Rous
9	Gustatory deafferentation and desalivation: effects on NaCl preference of Fischer 344 rats S. I. Sollars and I. L. Bernstein	R510
9.4	Nitro-L-arginine attenuates hypercapnic cerebrovasodilation without affecting	21020
-, -	cerebral metabolism C. Iadecola and X. Xu	R518
4, 5, 6	Increase of human platelet serotonin uptake by atypical histamine receptors JM. Launay, D. Bondoux, MJ. Oset-Gasque, S. Emami, V. Mutel, M. Haimart, and C. Gespach	R526
2, 4, 7	Reflex control of renal sympathetic nerve activity during furosemide diuresis in rats J. S. Petersen and G. F. DiBona	R537
4.2	Nitric oxide-dependent and -independent components of cerebrovasodilation	
-,-	elicited by hypercapnia C. Iadecola and F. Zhang	R546
5	Lesions of hypothalamic PVN partially attenuate stimulatory action of alcohol on	
	ACTH secretion in rats S. Rivest and C. Rivier	R553
4	Orally administered L-arginine does not alter right ventricular hypertrophy in	
	chronically hypoxic rats T. C. Resta and B. R. Walker	R559
5, 9	Long-term mineralocorticoid-induced changes in rat neuron properties plus interaction of aldosterone and ANG II	
	S. N. Thornton and S. Nicolaïdis	R564
4, 5	Atrial natriuretic peptide and glomerular hyperfiltration during onset of spontaneous diabetes mellitus M. I. Okwueze, T. J. Opgenorth, T. W. von Geldern, and R. C. Vari	R572
1, 11, 5	Effect of acute hypoxia on phosphate excretion in rats Y. Mimura and F. G. Knox	R578
4, 5, 7	Blunted effect of ANP on hematocrit and plasma volume in streptozotocin-induced diabetes mellitus in rats	
	JP. Valentin, L. A. Sechi, and M. H. Humphreys	R584
2, 4, 11	Enhanced pressor responses to ICV vasopressin after pretreatment with oxytocin $P.\ Poulin, A.\ Komulainen,\ Y.\ Takahashi,\ and\ Q.\ J.\ Pittman$	R592
4, 2	Selective enhancement in SHR of hypotension and bradycardia caused by	
	NTS-injected serotonin M. Okada and R. D. Buñag	R599

3	Endogenous opioids are differentially involved in appetitive and consummatory aspects of sexual behavior of male rats	
	W. R. van Furth, I. G. Wolterink-Donselaar, and J. M. van Ree	R606
12, 5, 2	Antipyresis caused by stimulation of vasopressinergic neurons and intraseptal or systemic infusions of γ -MSH M. Bock, J. Roth, M. J. Kluger, and E. Zeisberger	R614
8, 9, 11	An electrophysiological and morphological study of esophageal motoneurons in rats B. Kruszewska, J. Lipski, and R. Kanjhan	R622
2, 9	Postingestive alliesthesia produced by exogenous cholecystokinin and blocked by abdominal vagotomy M. Cabanac and C. Zhao	R633
	SPECIAL COMMUNICATION	
1, 7	A method for calculating the distribution of pH in tissues and a new source of pH error from the 31 P-NMR spectrum $R.~A.~Graham,~A.~H.~Taylor,~and~T.~R.~Brown$	R638
	RAPID COMMUNICATION	
2, 3, 9	Hepatic vagotomy effects on metabolic challenges during parenteral nutrition in rats $J.\ L.\ Beverly, ZJ.\ Yang,\ and\ M.\ M.\ Meguid$	R646
	RCH 1994	
CATEGORY		
1, 7	Lack of effect of ouabain on calcium homeostasis in rat platelets: comparative study with human platelets T. Oshima, T. Ishida, H. Matsuura, M. Ishida, K. Ishibashi, R. Ozono, M. Watanabe, G. Kajiyama, and M. Kanbe	R651
2, 7	Micturition reflexes in the in vitro neonatal rat brain stem-spinal cord-bladder preparation K. Sugaya and W. C. de Groat	R658
4, 7, 5	Influences of renal nerves and pregnancy on renin secretion in sheep L. Fan, D. Archambault, S. Chavez, A. W. Aljabari, and E. W. Quillen, Jr.	R668
1, 7	Muscarinic receptor characterization in differentiating avian exocrine cells JP. Hildebrandt and T. J. Shuttleworth	R674
9, 3	Stimulation of fluid intake by carbohydrates: interaction between taste and calories $\it I. Ramirez$	R682
3, 5, 12	Anti-interleukin-1 β reduces sleep and sleep rebound after sleep deprivation in rats $M.\ R.\ Opp\ and\ J.\ M.\ Krueger$	R688
11,3	Effects of acute and chronic cocaine on breathing and chemosensitivity in awake rats $\it T. Trippenbach \ and \ G. \ Kelly$	R696
4, 10	Relationship of growth and blood pressure in inbred rats N. J. Schork, P. Jokelainen, E. J. Grant, M. A. Schork, and A. B. Weder	R702
4, 7	Blood volume response to drainage of left thoracic duct lymph in the ovine fetus $R.A.Brace$	R709
2, 4, 7	Renin and vasopressin responses to graded reductions in atrial pressure in conscious dogs C. P. O'Donnell, C. J. Thompson, L. C. Keil, and T. N. Thrasher	R714
	Vascular effects alter early-gestation fetal renal responses to vasopressin M. G. Ervin, K. A. Terry, G. C. Calvario, R. Castro, M. G. Ross, R. D. Leake, and D. A. Fisher	R722
4, 2	Mechanisms of pressor and bradycardic responses to L-glutamate microinjected into the NTS of conscious rats E. Colombari, L. G. H. Bonagamba, and B. H. Machado	R730

No.

4, 7	Altered pressure natriuresis in chronic angiotensin II hypertension in rats J. van der Mark and R. L. Kline	R739
1, 6, 5	Adrenergic stimulated skeletal muscle glycogenolysis in perfused hindlimbs of young and old male Fischer 344 rats L. M. Larkin, B. A. Horwitz, K. C. Eiffert, and R. B. McDonald	R749
4, 5, 7	Control of erythropoiesis in humans during prolonged exposure to the altitude of 6,542 m JP. Richalet, JC. Souberbielle, AM. Antezana, M. Déchaux, JL. Le Trong, A. Bienvenu, F. Daniel, C. Blanchot, and J. Zittoun	R756
1, 4	Pregnancy alters cerebrovascular adaptation to high-altitude hypoxia A. D. Hull, L. D. Longo, D. M. Long, and W. J. Pearce	R765
12	Membrane fluidity and hemilayer temperature sensitivity in trout hepatocytes during brief in vitro cold exposure	DEED
1, 4	E. E. Williams and J. R. Hazel Cardiac performance in semi-isolated heart of the crab Carcinus maenas	R773
2, 4	J. L. Wilkens and B. R. McMahon Role of vagal afferents in hypotension induced by venous air embolism	R781
	M. Aibiki, S. Ogura, K. Seki, K. Honda, O. Umegaki, Y. Shirakawa, and K. Ogli	R790
4, 7	Regulation of plasma vasopressin by plasma osmolality and carotid sinus pressure in anesthetized rabbits C. S. Scott, J. Sharp-Kehl, C. A. Redekopp, and J. R. Ledsome	R796
2, 4, 5	Angiotensin II-mediated pressor effect of rat joining peptide M. Yoshida, T. Hamakubo, and T. Inagami	R802
4, 5, 2	Effects of adrenergic and cholinergic blockade on insulin-induced stimulation of calf blood flow in humans D. Randin, P. Vollenweider, L. Tappy, E. Jéquier, P. Nicod, and U. Scherrer	R809
5, 6	Induction of low-T ₃ syndrome in exercising women occurs at a threshold of energy availability	11000
	A. B. Loucks and E. M. Heath	R817
2, 5	Reflex control of glucoregulatory exercise responses by group III and IV muscle afferents J. Vissing, G. A. Iwamoto, I. E. Fuchs, H. Galbo, and J. H. Mitchell	R824
2, 6, 12	Role of mast cell histamine in brown adipose tissue thermogenic response to VMH stimulation M. Desautels, A. Wollin, I. Halvorson, D. V. Muralidhara, and J. Thornhill	R831
4, 5, 2	Vasopressin-induced changes in cardiac vagal tone and oxygen consumption in dogs $JF.\ Liard$	R838
5, 7, 8	Effects of growth hormone on gill chloride cells in juvenile Atlantic salmon (Salmo salar) P. Prunet, M. Pisam, J. P. Claireaux, G. Boeuf, and A. Rambourg	R850
1, 11, 12	Substrate and acute temperature effects on turtle heart and liver mitochondria V. M. F. Almeida-Val, L. T. Buck, and P. W. Hochachka	R858
11, 4, 10	Patterns of respiration and heart rate during wakefulness and sleep in elephant seal pups M. A. Castellini, W. K. Milsom, R. J. Berger, D. P. Costa, D. R. Jones, J. M. Castellini, L. D. Rea, S. Bharma, and M. Harris	R863
6, 9, 10	Body fat regulation after partial lipectomy in Siberian hamsters is photoperiod dependent and fat pad specific $M.M.$ Mauer and $T.J.$ Bartness	R870
2, 4, 7	Left heart and arterial baroreceptors interact in control of plasma vasopressin, renin, and cortisol in awake dogs J. L. Andersen, L. J. Andersen, T. N. Thrasher, L. C. Keil, and D. J. Ramsay	R879
1, 5	Glucose turnover after a mixed meal in dogs: glucoregulation without change in arterial glycemia	
	T. R. Strack, P. Poussier, E. B. Marliss, and A. M. Albisser	R889
5, 2	Predominance of β ₃ -adrenergic component in catecholamine activation of lipolysis in garden dormouse adipocytes C. Carpéné, L. Ambid, and M. Lafontan	R896

5, 2	Adrenergic lipolysis in guinea pig is not a β_3 -adrenergic response: comparison with human adipocytes	
	C. Carpéné, I. Castan, P. Collon, J. Galitzky, J. Moratinos, and M. Lafontan	R905
2, 5, 6	Chronic norepinephrine infusion stimulates glucose uptake in white and brown adipose tissues X. Liu, F. Pérusse, and L. J. Bukowiechi	R914
2, 5	The VMH-dietary obese rat: a new model of non-insulin-dependent diabetes mellitus K. V. Axen, X. Li, K. Fung, and A. Sclafani	R921
4, 5	Systemic and pulmonary hemodynamic effects of big endothelin-1 and phosphoramidon in the ovine fetus O. W. Jones III and S. H. Abman	R929
4, 7, 5	Clearance receptor-mediated control of atrial natriuretic factor in experimental congestive heart failure R. R. Brandt, M. M. Redfield, L. L. Aarhus, J. A. Lewicki, and J. C. Burnett, Jr.	R936
1	Enhancement of canine taste responses to umami substances by salts $T.\ Ugawa\ and\ K.\ Kurihara$	R944
2, 7, 8	Interleukin- 1α in human sweat is functionally active and derived from the eccrine sweat gland	Doro
2, 3, 7	K. Sato and F. Sato Linkage of stress-induced hypocalcemia, gastric lesions, and emotional behavior in Wistar-Kyoto rats J. Ma, S. Aou, T. Hori, and J. Ding	R950
3, 12, 3	Doubly labeled water measurement of human energy expenditure during exercise at high altitude R. W. Hoyt, T. E. Jones, C. J. Baker-Fulco, D. A. Schoeller, R. B. Schoene,	11000
	R. S. Schwartz, E. W. Askew, and A. Cymerman	R966
7, 1	Ovine fetal swallowing and renal responses to oligohydramnios L. K. Kullama, C. L. Agnew, L. Day, M. G. Ervin, and M. G. Ross	R972
	Changes in plasma glutathione concentrations, turnover, and disposal in developing rats M. Ookhtens, A. V. Mittur, and N. A. Erhart	R979
4, 5, 7	Angiotensin and ANP secretion during chronically controlled increments in atrial pressure T. E. Lohmeier, Y. Shin, G. A. Reinhart, and R. L. Hester	R989
1, 7, 9	Chloride-dependent intestinal transport of imino and $\beta\text{-amino}$ acids in the guinea pig and rat	
	L. K. Munck and B. G. Munck	R997
1, 7	¹ H-NMR measurement of fractional dissociation of imidazole in intact animals B. M. Hitzig, WC. Perng, T. Burt, P. Okunieff, and D. C. Johnson	R1008
1, 6, 8	Relationship between body mass and biomechanical properties of limb tendons in adult mammals C. M. Pollock and R. E. Shadwick	R1016
1, 6, 8	Allometry of muscle, tendon, and elastic energy storage capacity in mammals C. M. Pollock and R. E. Shadwick	R1022
2, 4	Pressure-dependent renin release and arterial pressure maintenance in conscious rats S. Bertolino, C. Julien, I. A. Medeiros, M. Vincent, and C. Barrès	R1032
1, 4, 8	Effect of chronic ANG I-converting enzyme inhibition on aging processes. I. Kidney structure and function D. Heudes, O. Michel, J. Chevalier, E. Scalbert, E. Ezan, J. Bariety, A. Zimmerman, and B. Corman	R1038
DEL	NG IN PHYSIOLOGY	
12, 6	A gradient-layer calorimeter for measurement of energy expenditure of infants S. J. Meis, E. L. Dove, E. F. Bell, C. M. Thompson, MA. Glatzl-Hawlik, A. L. Gants, and W. K. Kim	R1052
1, 5, 4	Estimation of rate constants for serotonin uptake and compartmentation in normal human platelets	R1061
	G. Launay, J. L. Costa, M. Da Prada, and J. M. Launay	1001

LETTER TO THE EDITOR

3, 4, 5 Cerebral glucose and oxygen metabolism in the chronically hyperglycemic fetal lamb

T. S. Rosenkrantz

R1076

R1077

No. 4. APRIL 1994

CATECORY

EDITORIAL REVIEW

6, 8, 11 From damselflies to pterosaurs: how burst and sustainable flight performance scale with size

h size
J. H. Marden

- 1,7 Transport of PAH, urate, TEA, and fluid by isolated perfused and nonperfused avian renal proximal tubules

 O. H. Brokl, E. J. Braun, and W. H. Dantzler

 R1085

 6,7 Effect of lactate concentration and metabolic rate on net lactate uptake by canine skeletal muscle

 L. B. Gladden, R. E. Crawford, and M. J. Webster

 R1095
- 2, 4, 7 Does the spinal cord generate functionally significant sympathetic activity in the awake rat?
 K. A. Trostel and J. W. Osborn

 R1102
- 9, 6, 3 Effects of food deprivation and restriction, and metabolic blockers on food hoarding in Siberian hamsters

 T. J. Bartness and M. R. Clein R1111
- 1, 2, 8 Fos expression in ferret dorsal vagal complex after peripheral emetic stimuli
 F. M. Boissonade, K. A. Sharkey, and J. S. Davison

 R1118
 - 2, 4 Functional capacity of nicotine-sensitive canine intrinsic cardiac neurons to modify the heart
 D. A. Murphy, S. O'Blenes, B. D. Hanna, and J. A. Armour
 R1127
 - 4 Spreading depression reversibly impairs autoregulation of cortical blood flow

 G. Florence, G. Bonvento, R. Charbonne, and J. Seylaz

 R1136
 - 5, 2 Antilipolytic effects of α_2 -adrenergic agonists, neuropeptide Y, adenosine, and PGE₁ in mammal adipocytes

 I. Castan, P. Valet, N. Quideau, T. Voisin, L. Ambid, M. Laburthe,
 M. Lafontan, and C. Carpéné

 R1141
 - 4 Cardiovascular effects of human recombinant interleukin-1β in conscious rats

 A. Bataillard and J. Sassard

 R1148
- 1, 7, 9 Specificity of the imino acid carrier in rat small intestine
 B. G. Munck, L. K. Munck, S. N. Rasmussen, and A. Polache
 R1154
 - 1, 4 Regional cerebral blood flow during submergence asphyxia in Pekin duck
 R. Stephenson, D. R. Jones, and R. M. Bryan, Jr.
 R1162
 - 7,5 Vasopressin inhibits calcium-coupled sodium efflux system in rat brain
 F. Kanda and A. I. Arieff
 R1169
 - 5, 7 Effect of maternal glucocorticoid treatment on fetal fluids in sheep at 0.4 gestation E. M. Wintour, D. Alcorn, A. McFarlane, K. Moritz, S. J. Potocnik, and K. Tangalakis
 R1174
- 6, 12 Energy and protein requirements for molt in the king penguin Aptenodytes patagonicus
 Y. Cherel, J.-B. Charrassin, and E. Challet
 R1182
- 2, 4 Autonomic functions and orthostatic responses 24 h after acute intense exercise in paraplegic subjects

 K. A. Engelke, J. D. Shea, D. F. Doerr, and V. A. Convertino

 R1189
 - 4 Interleukin-1 β and tumor necrosis factor- α synergistically induce NO synthase in rat vascular smooth muscle cells

 D. Beasley and M. Eldridge

 R1197

5, 6, 9	Effect of ethanol on energy expenditure	
0, 0, 0	P. M. Suter, E. Jéquier, and Y. Schutz	R1204
4	Role of endothelium-derived relaxing factor in hindlimb reactive and active hyperemia in conscious dogs D. S. O'Leary, R. C. Dunlap, and K. W. Glover	R1213
2, 4, 5	Changes in muscle sympathetic nerve activity and renal function during positive-pressure breathing in humans S. Tanaka, S. Sagawa, K. Miki, J. R. Claybaugh, and K. Shiraki	B1000
5.1	Regulation of gluconeogenesis by insulin and glucagon in the neonatal bovine	R1220
	S. S. Donkin and L. E. Armentano	R1229
1, 4	Lactic acidosis transiently increases metabolic rate of turtle myocytes C. L. Watson, W. L. Few III, G. Panol, and D. C. Jackson	R1238
4, 5, 7	Renal, endocrine, and hemodynamic interactions of atrial and brain natriuretic peptides in normal men	
	C. M. Florkowski, A. M. Richards, E. A. Espiner, T. G. Yandle, and C. Frampton	R1244
12, 10, 3	Persistence of circadian rhythmicity in hibernating ground squirrels D. A. Grahn, J. D. Miller, V. S. Houng, and H. C. Heller	R1251
10, 12, 1	Thermal effects on neuronal activity in suprachiasmatic nuclei of hibernators and nonhibernators	
	J. D. Miller, V. H. Cao, and H. C. Heller	R1259
4, 5	Effects of 17β -estradiol and progesterone on pressor responses in conscious ovariectomized rats	
	K. P. Conrad, M. D. Mosher, T. Brinck-Johnsen, and M. C. Colpoys	R1267
4, 5, 2	Mechanisms of hypertension in transgenic rats expressing the mouse Ren-2 gene A. Moriguchi, K. B. Brosnihan, H. Kumagai, D. Ganten, and C. M. Ferrario	R1273
6, 4, 11	Increased capacity for circulatory fatty acid transport in a highly aerobic mammal G. McClelland, G. Zwingelstein, C. R. Taylor, and JM. Weber	R1280
2, 4	Neurotransmitters in the parabrachial nucleus mediating visceral input to the thalamus in rats	
	T. M. Saleh and D. F. Cechetto	R1287
1, 3, 5	Effect of ethanol on immature ovine fetal breathing movements, fetal prostaglandin E ₂ , and myometrial activity A. D. Bocking, L. J. Carmichael, S. Abdollah, K. R. Sinervo, G. N. Smith, and J. F. Brien	R1297
1, 5, 7	Calcitropic effects of recombinant prolactins in Oreochromis mossambicus	161201
	G. Flik, F. Rentier-Delrue, and S. E. Wendelaar Bonga	R1302
1, 11	Surfactant composition and function in lungs of air-breathing fishes A. W. Smits, S. Orgeig, and C. B. Daniels	R1309
9, 3	Dynamics of intake suppression after a preload: role of calories, volume, and macronutrients Z. S. Warwick and H. P. Weingarten	R1314
1, 6, 12	Dual core and shell temperature regulation during sea acclimatization in Gentoo penguins (<i>Pygoscelis papua</i>)	
	E. Dumonteil, H. Barré, JL. Rouanet, M. Diarra, and J. Bouvier	R1319
5, 7	Response of the magnocellular system in rats to hypovolemia and cholecystokinin during pregnancy and lactation E. M. Koehler, G. L. McLemore, J. K. Martel, and J. Y. Summy-Long	R1327
1, 4, 11	Lack of edema in toad lungs after pulmonary hypertension A. W. Smits	R1338
7, 9	Swallowing and urine flow responses of ovine fetuses to 24 h of hypoxia R. A. Brace, M. E. Wlodek, G. J. McCrabb, and R. Harding	R1345
5, 7, 4	Levels of active and inactive reninlike enzymes in plasma and reproductive tract of	
	the pregnant wallaby E. R. Lumbers, R. I. Menzies, K. J. Gibson, and C. H. Tyndale-Biscoe	R1353

1, 5, 7	Evolution of marsupial and other vertebrate thyroxine-binding plasma proteins S. J. Richardson, A. J. Bradley, W. Duan, R. E. H. Wettenhall, P. J. Harms, J. J. Babon, B. R. Southwell, S. Nicol, S. C. Donnellan, and G. Schreiber	R1359
2, 5, 6	Effect of CL-316,243, a thermogenic β ₃ -agonist, on energy balance and brown and white adipose tissues in rats J. Himms-Hagen, J. Cui, E. Danforth, Jr., D. J. Taatjes, S. S. Lang, B. L. Waters, and T. H. Claus	R1371
4, 5, 7	Receptor proteins and biological effects of C-type natriuretic peptides in the renal glomerulus of the rat J. Brown and Z. Zuo	R1383
6, 9, 10	Meal patterns of macronutrient intake in rats with particular dietary preferences G. Shor-Posner, G. Brennan, C. Ian, R. Jasaitis, K. Madhu, and S. F. Leibowitz	R1395
2, 4	Naloxone augments sympathetic outflow induced by centrally administered endothelin in conscious rabbits K. Matsumura, I. Abe, M. Fukuhara, M. Tominaga, T. Tsuchihashi, K. Kobayashi, and M. Fujishima	R1403
2, 7	Inhibitory effect of neuropeptide Y on adrenergic and cholinergic transmission in rat urinary bladder and urethra L. V. Tran, G. T. Somogyi, and W. C. de Groat	R1411
	RAPID COMMUNICATION	
2, 4, 11	c-fos antisense in rostral ventral medulla reduces arterial blood pressure S. Suzuki, P. Pilowsky, J. Minson, L. Arnolda, I. J. Llewellyn-Smith, and J. Chalmers	R1418
5, 6	Insulin sensitivity of adipocytes from inbred mouse strains resistant or sensitive to diet-induced obesity G. P. Eberhart, D. B. West, C. N. Boozer, and R. L. Athinson	R1423
CATEGORY		
7, 4, 5	Extravascular protein in the renal medulla: analysis by two methods T. L. Pallone	
4	Effects of ANG-converting enzyme and α_1 -adrenoceptor inhibition on intrarenal hemodynamics in SHR	R1429
	A. Numabe, K. Komatsu, and E. D. Frohlich	R1437
5, 6	Adaptation of muscle glucose transport with caloric restriction in adult, middle-aged, and old rats G. D. Cartee, E. W. Kietzke, and C. Briggs-Tung	R1443
2, 5	Role of endogenous vasopressin in development of gastric ulcer induced by restraint	R1445
	and water immersion K. Honda, S. Fukuda, S. Ishikawa, T. Kuzuya, and T. Saito	R1448
7	Circadian rhythms and time course of adaptive sodium and potassium excretion in rats after uninephrectomy R. I. Aizman, L. Rabinowitz, and C. Mayer-Harnisch	R1454
2, 4, 5	Effect of intrahypothalamic insulin on sympathetic nervous function in rats drinking a high-sucrose solution J. P. Porter	R1463
4, 5, 7	Angiotensin II and $\alpha_1\text{-}adrenergic$ tone in chronic nitric oxide blockade-induced hypertension	
1, 12	C. Qiu, K. Engels, and C. Baylis Effects of temperature and freezing on hepatocytes isolated from a freeze-tolerant frog	R1470
2, 3, 12	K. B. Storey and T. P. Mommsen Role of central chemoreceptors in behavioral thermoregulation of the toad,	R1477
	Bufo marinus L. G. S. Branco and S. C. Wood	R1483

No.

4, 7	Postnatal developmental changes in blood flow to choroid plexuses and cerebral cortex of the rat	
	J. Szmydynger-Chodobska, A. Chodobski, and C. E. Johanson	R1488
3, 7, 2	Sodium appetite, thirst, and body fluid regulation in humans during rehydration without sodium replacement	D1400
7, 1, 4	A. Takamata, G. W. Mack, C. M. Gillen, and E. R. Nadel Acute hypocapnia blunts natriuretic and diuretic effects of atrial natriuretic factor	R1493
	in rats Y. Mimura, A. A. Khraibi, D. M. Heublein, and F. G. Knox	R1503
4, 5, 2	Exogenous arginine vasopressin does not enhance carotid baroreflex control in the conscious dog	
	R. S. Wolfer, N. H. Lovell, and M. J. Brunner	R1510
2	The parasympathetic vasodilator fibers in the trigeminal portion of the distal lingual nerve in the cat tongue H. Izumi and K. Karita	R1517
5, 9, 3	Type II corticosteroid receptor stimulation increases NPY gene expression in basomedial hypothalamus of rats B. D. White, R. G. Dean, G. L. Edwards, and R. J. Martin	R1523
7	Prostaglandin H_2 -thromboxane A_2 and renal functions in the Lyon hypertensive rat	N1020
	KL. Liu, D. Benzoni, and J. Sassard	R1530
2, 5	Temporal analysis of the anti-inflammatory effects of decentralization of the rat superior cervical ganglia R. Mathison, L. Carter, C. Mowat, E. Bissonnette, J. S. Davison,	
	and A. D. Befus	R1537
7	On determinants of glomerular filtration rate after inhibition of proximal tubular reabsorption P. P. Leyssac, F. M. Karlsen, NH. Holstein-Rathlou, and O. Skøtt	R1544
1, 7	An X-ray microanalysis study of <i>Locusta</i> Malpighian tubule cell function using rubidium N. Pivovarova, S. L. Marshall, J. H. Anstee, and K. Bowler	R1551
9, 3	Intraventricular but not intraparaventricular nucleus metergoline elicits feeding in satiated rats	
104	D. V. Coscina, D. Feifel, J. N. Nobrega, and P. J. Currie	R1562
1, 2, 4	Neuropeptides in the Australian lungfish Neoceratodus forsteri: effects in vivo and presence in autonomic nerves S. Holmgren, R. Fritsche, P. Karila, I. Gibbins, M. Axelsson, C. Franklin, G. Grigg, and S. Nilsson	R1568
9, 6, 5	Rat hypothalamic NPY mRNA and brown fat uncoupling protein mRNA after high-carbohydrate or high-fat diets S. Q. Giraudo, C. M. Kotz, M. K. Grace, A. S. Levine, and C. J. Billington	R1578
11	Ventilatory and metabolic effects of repeated hypoxia in conscious newborn rabbits	W1919
**	T. Trippenbach	R1584
5, 7	Effects of acute salt loading on vasopressin mRNA level in the rat brain M. Shoji, T. Kimura, Y. Kawarabayasi, K. Ota, M. Inoue, T. Yamamoto, K. Sato, M. Ohta, T. Funyu, T. Sonoyama, and K. Abe	R1591
4, 7	Increased lymphatic pressure without increased neck vein pressure during intravenous infusions J. C. Gabel, S. Dhother, and R. E. Drake	R1596
4, 5, 7	Effects of renal denervation on postprandial sodium excretion in experimental heart failure	D1500
4 = =	D. Villarreal, R. H. Freeman, R. A. Johnson, and J. C. Simmons	R1599
	Influence of pregnancy on ANF release from isolated atria S. Kaufman, Y. Deng, and W. Thai	R1605
2	Role of peripheral capsaicin-sensitive neurons and CGRP in central vagally mediated gastroprotective effect of TRH	D1610
	K. Kato, H. Yang, and Y. Taché	R1610

12, 11	rotential adaptations to acute hypoxia: rict, stress proteins, and set point for temperature regulation	
	K. P. Mayfield, E. J. Hong, K. M. Carney, and L. G. D'Alecy	R1615
9,3,5	Relative contribution of type I and II corticosterone receptors in VMH lesion-induced obesity and hyperinsulinemia T. L. Thomas, L. D. Devenport, and R. D. Stith	R1623
5, 6, 2	Effect of hepatic portal infusion of pyruvate on pancreatic hormone response during exercise	
	S. Cardin, R. Hélie, R. Bergeron, B. Comte, G. van de Werve, and JM. Lavoie	R1630
5, 1	Involvement of liver and skeletal muscle in sucrose-induced insulin resistance: dose- response studies M. J. Pagliassotti, K. A. Shahrokhi, and M. Moscarello	R1637
9 9	Administration of 8-OH-DPAT into the midbrain raphe nuclei: effects on medial	111001
3, 3	hypothalamic NE-induced feeding P. J. Currie, P. J. Fletcher, and D. V. Coscina	R1645
2,8	Involvement of 5-HT ₃ receptors in the initiation of pharyngeal reflex M. Yoshioka, Y. Goda, T. Ikeda, H. Togashi, T. Ushiki, and H. Saito	R1652
9, 3, 5	Central interleukin-1 receptors contribute to suppression of feeding after acute colitis in the rat	
	K. J. McHugh, S. M. Collins, and H. P. Weingarten	R1659
4, 5, 2	Angiotensin II overflow from canine skeletal muscle in vivo: importance of plasma angiotensin I J. H. Schwieler, J. Nussberger, T. Kahan, and P. Hjemdahl	R1664
1, 12	Interleukin-8 induces fever by a prostaglandin-independent mechanism	
	A. R. Zampronio, G. E. P. Souza, C. A. A. Ŝilva, F. Q. Cunha, and S. H. Ferreira	R1670
9, 3	Dissociation between plasma and brain amino acid profiles and short-term food intake in the rat G. H. Anderson, E. T. S. Li, S. P. Anthony, L. T. Ng, and R. Bialik	R1675
9 5 9		K1075
3, 9, 9	Role of hypothalamic neuropeptide Y gene expression in body weight regulation L. Davies and J. L. Marks	R1687
2, 4	Brief mesenteric ischemia increases PGE_2 , but not PGI_2 , in intestinal lymph of cats S. V. Rendig, HL. Pan, and J. C. Longhurst	R1692
	MODELING IN PHYSIOLOGY	
3, 6	Quantitative modeling and biology: the multivariate approach	
	R. Benigni and A. Giuliani	R1697
	SPECIAL COMMUNICATION	
4, 2	Use of sinoaortic denervation to study the role of baroreceptors in cardiovascular	
	regulation A. M. Schreihofer and A. F. Sved	R1705
	RAPID COMMUNICATIONS	
3, 5, 9	Chemokines/intercrines and central regulation of feeding C. R. Plata-Salamán and J. P. Borkoski	R1711
5, 7	A novel role for the nitric oxide-cGMP signaling pathway: the control of epithelial function in Drosophila J. A. T. Dow, S. H. P. Maddrell, SA. Davies, N. J. V. Skaer, and K. Kaiser	R1716
	LETTERS TO THE EDITOR	
1, 7, 8	SEP as a major chicken kidney metabolite C. T. Burt; YH. H. Lien, M. M. Pacelli, and E. J. Braun	R1720

4, 5, 7	Renin release in rats during blockade of nitric oxide synthesis $R.\ A.\ Johnson\ and\ R.\ H.\ Freeman$	R1723
4, 7	L-Arginine improves transmission of perfusion pressure to the renal interstitium in Dahl salt-sensitive rats	
	A. R. Patel, J. P. Granger, and K. A. Kirchner	R1730
5	Growth and metabolism of gastrointestinal and skeletal muscle tissues in protein- malnourished neonatal pigs S. Ebner, P. Schoknecht, P. Reeds, and D. Burrin	R1736
5, 7, 4	Physiological increases in cortisol inhibit basal vasopressin release in conscious dogs $P.\ E.\ Papanek\ and\ H.\ Raff$	R1744
2, 5, 7	Loss of osmotic thirst in multiple system atrophy: association with sinoaortic baroreceptor deafferentation M. Bevilacqua, G. Norbiato, V. Righini, T. Vago, L. Castelli, F. Carella, and T. Caraceni	R1752
4, 7	Renal function during chronic anemia in the ovine fetus L. E. Davis, A. R. Hohimer, and L. L. Woods	R1759
2, 6, 9	Neuropeptide Y in hypothalamic paraventricular nucleus: a center coordinating energy metabolism	
	C. J. Billington, J. E. Briggs, S. Harker, M. Grace, and A. S. Levine	R1765
12, 1, 7	¹ H magnetic resonance imaging of freezing and thawing in freeze-tolerant frogs B. Rubinsky, S. T. S. Wong, JS. Hong, J. Gilbert, M. Roos, and K. B. Storey	R1771
4	Cardiac function in fetal sheep during two weeks of hypoxemia M. Kamitomo, L. D. Longo, and R. D. Gilbert	R1778
5, 10	Evidence for pancreatic pacemaker for insulin oscillations in low-frequency range HF. Chou, N. Berman, and E. Ipp	R1786
9, 3	Phosphate loading prevents the decrease in ATP and increase in food intake produced by 2,5-anhydro-D-mannitol $N.\ E.\ Rawson\ and\ M.\ I.\ Friedman$	R1792
5, 10, 12	Circadian and ultradian rhythms of plasma thyroid hormone concentrations in lactating dairy cows	
	J. Bitman, S. Kahl, D. L. Wood, and A. M. Lefcourt	R1797
5, 6	Downregulation of hepatocyte P ₂ -purinoceptor binding capacity after trauma-hemorrhage/resuscitation M. S. W. Mahmoud, P. Wang, S. R. Hootman, S. S. Reich, and I. H. Chaudry	R1804
5, 6	$ATP-MgCl_2$ treatment after trauma-hemorrhage/resuscitation increases hepatocyte P_2 -purinoceptor binding capacity	
	M. S. W. Mahmoud, P. Wang, S. R. Hootman, S. S. Reich, and I. H. Chaudry	R1810
1	Temperature increase abolishes ability of turtle olfactory receptors to discriminate similar odorant T. Hanada, M. Kashiwayanagi, and K. Kurihara	R1816
2, 5, 12	Peripheral naloxone attenuates lipopolysaccharide fever in guinea pigs by an action	101010
2,0,22	outside the blood-brain barrier A. A. Romanovsky, O. Shido, A. L. Ungar, and C. M. Blatteis	R1824
2, 4	Descending pathways of powerful pressor response elicited by suprapontine cerebral ischemia in rabbits $J.\ Horiuchi\ and\ T.\ Takeuchi$	R1832
1	Interleukin-6 activity in wounds R. B. Mateo, J. S. Reichner, and J. E. Albina	R1840
12	Interleukin-1β causes the increase in anterior hypothalamic interleukin-6 during LPS-induced fever in rats	R1845
E 10	J. J. Klir, J. L. McClellan, and M. J. Kluger Immediate response to light of rat pineal melatonin rhythm: analysis by in	11040
3, 10	vivo microdialysis N. Kanematsu, S. Honma, Y. Katsuno, and KI. Honma	R1849

1, 4, 5	Angiotensin II relaxation of rainbow trout vessels in vitro D. J. Conklin and K. R. Olson	R1856
1, 5, 8	Angiotensin I is converted to angiotensin II by a serine protease in human detrusor smooth muscle	
	B. F. Lindberg, LG. Nilsson, H. Hedlund, M. Stahl, and KE. Andersson	R1861
2	Peripheral bombesin decreases gastric vagal efferent activity in part through vagal pathways in rats	D1000
	E. Yoshida-Yoneda, Y. Taché, H. P. Kosoyan, and J. Y. Wei	R1868
	Circadian thermosensitive characteristics of suprachiasmatic neurons in vitro P. S. Derambure and J. A. Boulant	R1876
5, 2, 4	Vasopressin secretion after stimulation of abdominal vagus in rabbit: role of A_1 norepinephrine neurons $Z.J.$ Gieroba and W. W. Blessing	R1885
3, 5	Olfactory bulbectomy counteracts inhibitory effect of food restriction on reproductive	W1000
	function D. R. Pieper, C. A. Lobocki, and K. H. Karo	R1891
7, 4	Plasma volume and ion regulation during exercise after low- and high-carbohydrate diets M. I. Lindinger, L. L. Spriet, E. Hultman, T. Putman, R. S. McKelvie, L. C. Lands, N. L. Jones, and G. J. F. Heigenhauser	R1896
6, 12, 1	Changes in brown adipose tissue composition during fasting and refeeding of	
	diet-induced obese mice D. V. Muralidhara and M. Desautels	R1907
1, 4, 7	Effects of plasma hypernatremia on nucleus tractus solitarius neurons S. L. Hochstenbach and J. Ciriello	R1916
9, 2, 3	Anorectic responses to dietary amino acid imbalance: effects of vagotomy and tropisetron B. S. Washburn, J. C. Jiang, S. L. Cummings, K. Dixon, and D. W. Gietzen	R1922
3, 9	Factors influencing compensatory feeding during parenteral nutrition in rats J. L. Beverly, ZJ. Yang, and M. M. Meguid	R1928
4	Hemorrhage effects on plasma ANP, $\mathrm{NH}_2\text{-}\mathrm{terminal}$ pro-ANP, and pressor hormones in an esthetized and conscious rats	
	H. Leskinen, H. Ruskoaho, P. Huttunen, J. Leppäluoto, and O. Vuolteenaho	R1933
1, 5	Insulin binding and receptor tyrosine kinase activity in skeletal muscle of carnivorous and omnivorous fish M. Párrizas, J. Planas, E. M. Plisetskaya, and J. Gutiérrez	R1944
11.2	Interaction between chemoreceptor and stretch receptor inputs at medullary	161011
11, 2	respiratory neurons J. Bajić, E. J. Zuperku, M. Tonković-Ćapin, and F. A. Hopp	R1951
4, 2	Effect of simulated microgravity on cardiopulmonary baroreflex control of forearm	
	vascular resistance V. A. Convertino, D. F. Doerr, D. A. Ludwig, and J. Vernikos	R1962
2, 4	Intrapericardial blocking agents have extracardiac effects in dogs S. W. Mittelstadt, K. P. O'Hagan, L. B. Bell, and P. S. Clifford	R1970
5, 4, 2	Effect of surgery on the pituitary-adrenal response to repeated hemorrhage M. P. Lilly	R1976
2, 4, 12	odulation of autonomic nervous system adjustments to heat stress by central ANG II	
	receptor antagonism K. C. Kregel, H. Stauss, and T. Unger	R1985
1, 3	REM-sleep timing is controlled homeostatically by accumulation of REM-sleep propensity in non-REM sleep	
	J. H. Benington and H. C. Heller	R1992
	Subject Index to Volume 35 Author Index to Volume 35	R2001 R2015
	ZMINIOT LINEA IO TOTATIE DO	RAULO

